

DOCKET NO. UNGR-1598

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Evan C. Unger, et al.

Application No.: 09/699,679

Filing Date: October 30, 2000

For: NOVEL TARGETED COMPOSITIONS FOR DIAGNOSTIC AND  
THERAPEUTIC USE

Confirmation No.: 8248

Group Art Unit: 1617

Examiner: Shahnam J. Sharareh

DATE OF DEPOSIT: June 18, 2004

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*Elizabeth A. McLoud*  
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Commissioner for Patents  
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Alexandria, VA 22313-1450

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- ☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:
- ☐ Certification in Accordance with § 1.97(e) is attached; or
- ☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.
- ☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:
- ☐ Certification in Accordance with § 1.97(e) is attached;
- or
- ☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.
- ☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).
- ☒ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

- ☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- ☐ Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

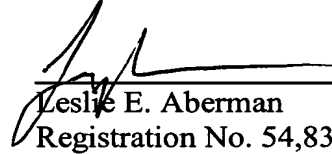
## EXCEPT THAT:

- ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☐ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
- ☐ Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. \_\_\_\_\_, filed \_\_\_\_\_.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

- ☐ The relevance of those listed references which are not in the English language is as follows:
- ☒ There are no listed references which are not in the English language.

Date: June 17, 2004

  
\_\_\_\_\_  
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. UNGR-1598	Application No. 09/699,679
		Applicant Evan C. Unger, et al.	
		Filing Date October 30, 2000	Group 1617
		Confirmation No. 8248	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	576	Deamer, D.W., "Preparation of solvent vaporization liposomes," <i>Liposome Techn.</i> , 1984, Vol. 1, Chap. 3, 29-35	
	577	Bedu-Addo, F.K., et al., "Effects of polyethyleneglycol chain length and phospholipids acyl chain composition on the interaction of polyethyleneglycol-phospholipid: implications in liposomal drug delivery," <i>Pharmac. Res.</i> , 1996, 13(5), 710-717	
	578	Belsito, S., et al., "Sterically stabilized liposomes of DPPC/DPPE-PEG:2000. A spin label ESR and spectrophotometric study," <i>Biophysical Chem.</i> , 1998, 33-43	
	579	Maruyama, K., et al., "Prolonged circulation time in vivo of large unilamellar liposomes composed of distearoyl phosphatidylcholine and cholesterol containing amphipathic poly(ethylene glycol)," <i>Biochimica et Biophysica Acta</i> , 1992, 1128, 44-49	
	580	Nikolova, A.N., et al., "Effect of grafted PEG-2000 on the size and permeability of vesicles," <i>Biochimica et Biophysica Acta</i> , 1996, 120-128	
	581	Ohki, K., et al., "Short- and long-range $Ca^{2+}$ -induced lateral phase separations in ternary mixtures of phosphatidic acid, phosphatidylcholine and phosphatidylethanolamine," <i>Chem. &amp; Physics of Lipids</i> , 1989, 109-117	
	582	Wolf, et al., "The effect of lysophosphatidylcholine on coronary and renal circulation in the rabbit," <i>Lipids</i> , 1991, 26(3), 223-226 (abstract 1 page)	
	583	Yu, S.-H., et al., "Effect of pulmonary surfactant protein B (SP-B) and calcium on phospholipids adsorption and squeeze-out of phosphatidylglycerol from binary phospholipids monolayers containing dipalmitoylphosphatidylcholine," <i>Biochimica et Biophysica Acta</i> , 1992, 1126, 26-34	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	



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<b>U. S. PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
	584	4,863,740	09/05/89	Kissel, et al.	424	450	
	585	5,580,575	12/03/96	Unger, et al.	424	450	
	586	5,656,211	08/12/97	Unger, et al.	264	4.1	
	587	5,705,187	01/06/98	Unger	424	450	
	588	5,715,824	02/10/98	Unger, et al.	128	662.02	
	589	5,733,572	03/31/98	Unger, et al.	424	450	
	590	5,773,024	06/30/98	Unger, et al.	424	450	
	591	5,776,429	07/07/98	Unger, et al.	424	9.52	
	592	5,853,752	12/29/98	Unger, et al.	424	450	
	593	5,922,304	07/13/99	Unger	424	9.3	
	594	5,935,553	08/10/99	Unger, et al.	424	9.51	
	595	6,028,066	02/22/00	Unger	514	180	
	596	6,033,645	03/07/00	Unger, et al.	424	9.5	
	597	6,033,646	03/07/00	Unger, et al.	424	9.52	
	598	6,039,557	03/21/00	Unger, et al.	425	429	
	599	6,071,494	06/06/00	Unger	424	9.4	
	600	6,071,495	06/06/00	Unger, et al.	424	9.51	
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Examiner Initial		Document No.	Date	Name	Class	Subclass
	601	6,088,613	07/11/00	Unger	600	420
	602	6,090,800	07/18/00	Unger, et al.	514	180
	603	6,117,414	09/12/00	Unger	424	9.4
	604	6,139,819	10/31/00	Unger, et al.	424	9.52
	605	6,143,276	11/07/00	Unger	424	9.3
	606	6,146,657	11/14/00	Unger, et al.	424	450
	607	6,231,834 B1	05/15/01	Unger, et al.	424	9.51
	608	6,315,981 B1	11/13/01	Unger	424	9.323
	609	6,414,139 B1	07/02/02	Unger, et al.	536	413
	610	6,416,740 B1	07/09/02	Unger	424	9.52
	611	6,443,898 B1	09/03/02	Unger, et al.	600	458
	612	6,444,660 B1	09/03/02	Unger, et al.	514	180
	613	6,461,586 B1	10/08/02	Unger	424	9.32
	614	6,479,034 B1	11/12/02	Unger, et al.	424	9.51
	615	6,521,211 B1	02/18/03	Unger, et al.	424	9.52
	616	6,528,039 B2	03/04/03	Unger	424	9.4

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**DATE CONSIDERED**



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	617	6,537,246 B1	03/25/03	Unger, et al.	604	82
	618	6,548,047 B1	04/15/03	Unger	424	9.51
	619	6,551,576 B1	04/22/03	Unger, et al.	424	9.52
	620	6,576,220 B2	06/10/03	Unger	424	9.32
	621	6,635,017 B1	10/21/03	Moehring, et al.	600	439
	622	6,680,047 B2	01/20/04	Klaveness, et al.	424	9.52
	623	6,682,502 B2	01/27/04	Bond, et al.	604	22
	624	6,716,412 B2	04/06/04	Unger	424	9.52

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Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	625	WO 95/15118	06/08/95	PCT		
	626	WO 96/08234	03/21/96	PCT		
	627	WO 96/31196	10/10/96	PCT		
	628	WO 97/00638	01/09/97	PCT		
	629	WO 97/40858	11/06/97	PCT		

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Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	630	WO 97/48337	12/24/97	PCT		
	631	WO 98/09600	03/12/98	PCT		
	632	WO 98/10798	03/19/98	PCT		
	633	WO 98/10799	03/19/98	PCT		
	634	WO 98/17324	04/30/98	PCT		
	635	WO 98/18495	05/07/98	PCT		
	636	WO 98/18498	05/07/98	PCT		
	637	WO 98/18500	05/07/98	PCT		
	638	WO 98/42384	10/01/98	PCT		
	639	WO 98/47487	10/29/98	PCT		
	640	WO 98/50040	11/12/98	PCT		
	641	WO 98/50041	11/12/98	PCT		
	642	WO 98/51284	11/19/98	PCT		
	643	WO 99/08714	02/25/99	PCT		
	644	WO 99/30620	06/24/99	PCT		
	645	0 349 429 A2	01/03/90	EPO		
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